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 May 2003 **Queue**, Volume 1 Issue 3

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Bibliometrics: Downloads (6 Weeks): 149, Downloads (12 Months): 1229, Dov

2 [A dynamic binary instrumentation engine for the ARM architecture](#)

Kim Hazelwood, Artur Klauser

 October 2006 **CASES '06:** Proceedings of the 2006 international conference embedded systems

Publisher: ACM

 Full text available: [Pdf](#) (455.03 KB) Additional Information: [full citation](#), [abs](#)
Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 90, Downlo

Dynamic binary instrumentation (DBI) is a powerful technique for analyzing numerous DBI frameworks have been developed for general-purpose architectures has been ...

Keywords: binary instrumentation, dynamic translation, embedded arc

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October 2008 Communications of the ACM

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 Full text available: [Digital Edition](#), [Pdf](#) (7.16 MB) Additional Information: [full citation](#)
Bibliometrics: Downloads (6 Weeks): 286, Downloads (12 Months): 805, Dowl

4 [Communications of the ACM: Volume 52 Issue 10](#)

October 2009 Communications of the ACM

Publisher: ACM

 Full text available: [Digital Edition](#), [Pdf](#) (7.38 MB) Additional Information: [full citation](#)
Bibliometrics: Downloads (6 Weeks): 490, Downloads (12 Months): 490, Dowl

5 [Communications of the ACM: Volume 53 Issue 4](#)

April 2010 Communications of the ACM

Publisher: ACM

 Full text available: [Digital Edition](#), [Pdf](#) (14.07 MB) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 6452, Downloads (12 Months): 6452, Downloads (24 Months): 6452

- 6 [Incremental Support Vector Learning: Analysis, Implementation and](#)
[Pavel Laskov, Christian Gehl, Stefan Krüger, Klaus-Robert Müller](#)
 December 2006 **The Journal of Machine Learning Research**, Volume 7

Publisher: MIT Press


Full text available:  [Pdf](#) (297.83 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 115, Downloads (24 Months): 115


Incremental Support Vector Machines (SVM) are instrumental in practice, as they focus on the design and analysis of efficient incremental SVM learning algorithms that are stable and robust ...

- 7 [Beyond streams and graphs: dynamic tensor analysis](#)

 [Jimeng Sun, Dacheng Tao, Christos Faloutsos](#)

August 2006 **KDD '06: Proceedings of the 12th ACM SIGKDD international conference on Knowledge discovery and data mining**

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Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 159, Downloads (24 Months): 159

How do we find patterns in author-keyword associations, evolving over time? In this paper, we analyze customer sales information? Matrix decompositions, like principal component analysis, are invaluable tools for mining, ...

- 8 [Proceedings of the 2008 ACM symposium on Applied computing](#)

 [Roger L. Wainwright, Hisham M. Haddad](#)

March 2008 **SAC '08: Proceedings of the 2008 ACM symposium on Applied computing**


Publisher: ACM

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (24 Months): n/a


Welcome to the 23rd Annual ACM Symposium on Applied Computing (SAC). This conference is for computer scientists, engineers, and practitioners seeking innovative solutions to computer science problems. This year, the conference ...

- 9 [A regulated transitive reduction \(RTR\) for longer memory race recording](#)

 [Min Xu, Mark D. Hill, Rastislav Bodik](#)

November 2006 **ASPLOS-XII: Proceedings of the 12th international conference on Architectural Support for Programming Languages and Operating Systems**

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Full text available:  [Pdf](#) (524.02 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 71, Downloads (24 Months): 71


Now at VMware. Multithreaded deterministic replay has important applications in intrusion analysis. Memory race recording is a key technology for multithreaded systems and is considerably ...

Keywords: determinism, multithreading, race recording

Also published in:


October 2006	SIGARCH Computer Architecture News	Volume 34 Issue 5
October 2006	SIGOPS Operating Systems Review	Volume 40 Issue 5
November 2006	SIGPLAN Notices	Volume 41 Issue 11

10 [Program locality analysis using reuse distance](#)

 [Yutao Zhong](#), [Xipeng Shen](#), [Chen Ding](#)

August 2009 **Transactions on Programming Languages and Systems**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (2.15 MB)


Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 48, Downloads (12 Months): 333, Downl

On modern computer systems, the memory performance of an applicati execution, locality-correlated measures like average miss rate or workin *distance*—the ...


Keywords: Program locality, reuse distance, stack distance, training-b:

11 [The Conquest file system: Better performance through a disk/persist](#)

 [An-I Andy Wang](#), [Geoff Kuenning](#), [Peter Reiher](#), [Gerald Popek](#)

August 2006 **Transactions on Storage (TOS)** , Volume 2 Issue 3

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (1.34 MB)


Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 151, Downl

Modern file systems assume the use of disk, a system-wide performanc caching and RAM file systems either impose high overhead to access m achieve data persistence ...

Keywords: Persistent RAM, file systems, performance measurement, s

12 [Practical escape analyses: how good are they?](#)

 [Kyungwoo Lee](#), [Xing Fang](#), [Samuel P. Midkiff](#)

June 2007 **VEE '07: Proceedings of the 3rd international conference on '**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (626.23 KB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 58, Downloa


A key analysis developed for the compilation of parallel programs is *thru escape analysis*), which determines what objects are accessed in more t program ...

Keywords: Java, analysis precision, dynamic compilation, escape analy

13 [Traffic modeling and proportional partial caching for peer-to-peer sys](#)

[Mohamed Hefeeda](#), [Osama Saieh](#)

December 2008 **IEEE/ ACM Transactions on Networking (TON)** , Volume

Publisher: IEEE Press  [Request Permissions](#)

Full text available:  Pdf (558.70 KB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 189, Downl

Peer-to-peer (P2P) file sharing systems generate a major portion of the increase in the future. We explore the potential of deploying proxy cach with the goal ...

Keywords: internet measurement, network protocols, peer-to-peer sys

14 [The LOCKSS peer-to-peer digital preservation system](#)

 Petros Maniatis, Mema Roussopoulos, T. J. Giuli, David S. H. Rosenthal, Ma February 2005 **Transactions on Computer Systems (TOCS)** , Volume 23 Is

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (715.30 KB)


Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 156, Downl


The LOCKSS project has developed and deployed in a world-wide test a journals and other archival information published on the Web. It consist persistent Web caches ...

Keywords: Rate limiting, digital preservation, replicated storage

15 [The quest for scalable support of data-intensive workloads in distribu](#)

 Ioan Raicu, Ian T. Foster, Yong Zhao, Philip Little, Christopher M. Moretti, / June 2009 **HPDC '09: Proceedings of the 18th ACM international sympo computing**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (1.28 MB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 217, Downl

Data-intensive applications involving the analysis of large datasets offer resources, for which data locality can be crucial to high throughput and approach that ...

Keywords: data diffusion, data management, data-aware scheduling, f

16 [Managing prefetch memory for data-intensive online servers](#)

Chuanpeng Li, Kai Shen

December 2005 **FAST'05: Proceedings of the 4th conference on USENIX Technologies - Volume 4** , Volume 4

Publisher: USENIX Association


Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downl

Data-intensive online servers may contain a significant amount of prefe


I/O prefetching and high execution concurrency. Using a traditional access
reclamation policy, memory ...

17 [New results on web caching with request reordering](#)

 [Susanne Albers](#)

June 2004 **SPAA '04**: Proceedings of the sixteenth annual ACM symposium on architectures

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (186.52 KB)


Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 19, Downloads

We study web caching with request reordering. The goal is to maintain a set of requests that can be served at low cost. To improve cache hit rates, a limited number of requests [6], who recently ...


Keywords: approximation, batch, cache, competitive, document, offline

18 [A concurrent dynamic analysis framework for multicore hardware](#)

 [Jungwoo Ha](#), [Matthew Arnold](#), [Stephen M. Blackburn](#), [Kathryn S. McKinley](#)

October 2009 **OOPSLA '09**: Proceeding of the 24th ACM SIGPLAN conference on programming languages and applications

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (1.26 MB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 27, Downloads (12 Months): 187, Downloads


Software has spent the bounty of Moore's law by solving harder problem domains. Modern level languages, virtual machine technology, binary rewriting, and dynamic analysis are more productive and programs ...

Keywords: dynamic analysis, instrumentation, multicore, profiling

Also published in:

October 2009 **SIGPLAN Notices** Volume 44 Issue 10

19 [Phase-based cache reconfiguration for a highly-configurable two-level cache](#)

 [Ann Gordon-Ross](#), [Jeremy Lau](#), [Brad Calder](#)

May 2008 **GLSVLSI '08**: Proceedings of the 18th ACM Great Lakes symposium on VLSI

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Full text available:  [Pdf](#) (286.03 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 53, Downloads

Phase-based tuning methodologies specialize system parameters for each application. Parameters are varied during execution, as opposed to remaining fixed as in an application. This paper and logic suggests ...

Keywords: cache tuning, caches, configurable architecture, configurable hardware, reconfiguration, phase-based tuning

-  [Towards practical page coloring-based multicore cache management](#)
Xiao Zhang, Sandhya Dwarkadas, Kai Shen
April 2009 **EuroSys '09**: Proceedings of the 4th ACM European conference on
Publisher: ACM  [Request Permissions](#)
Full text available:  Pdf (1.03 MB) Additional Information: [full citation](#), [abstract](#)
Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 257, Downloads (Overall): 1,030

Modern multi-core processors present new resource management challenges. This paper presents a new technique for simultaneously executing processes sharing on-chip resources (particularly cache). The technique demonstrates that the operating system ...

Keywords: cache partitioning, multi-core, page coloring, resource management

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